

General Information

1992
Video: 2 Head Rotary
Audio: Linear Fixed 1
Channel
Covers Models
Akai VS-F261/ VS-F262
VS-F265/VS-F270
VS-F275/VS-F290

Matrix

Item	See Model
Mechanical Parts View	Akai VS-422/425 89/90 Book.
Mechanical Adjustments	Akai VS-F10/11 91/92 Book.
Replacement Pinch Roller	Akai VS10/11 91/92 Book.

Mechanical Parts List

Description	Part No.
6SET20X030SCM PKR FP	ZS-374458
6SET30X080SCM PKR CP	ZG-373900
Arm Coupling	ML-387311J2
Arm Damper	ML-391745J3
Arm Lid Opener	ML-387350J1
Arm Loading BLK 425EA	BL-V1102A140A
Arm Loading Brake	ML-387423J
Arm Review Part	ML-387277J3
Arm Shutter	ML-38734912
Base Drum	MA-387474J3
Head Combo HVMZA1121A	HR-405340J
Head E H VFME0020A	HE-390013J
Holder D-LED	MZ-387430J
Holder FE Head Part B	MZ-402760J1
Holder FPC	SZ-387388J
Holder Lever Tension (2)	SZ-407187J2
Holder Photo Sensor	MZ-387446JT
Holder S Sensor	MZ-387445J
Holder Thrust Worm	MR-387406J
Idler Part	MI-387294J
Leader S BLK 425EA	V-V1102A070A
Leader S BLK 425EA	BV-V1102A080A
Lever Damper (S)	ML-387345J
Lever Damper(T)	ML-387346J
Lever Lock Release	ML-387344J
Lever Trigger	ML-387402J1
Lower Drum BLK X400EGN	BV-V1123A410A

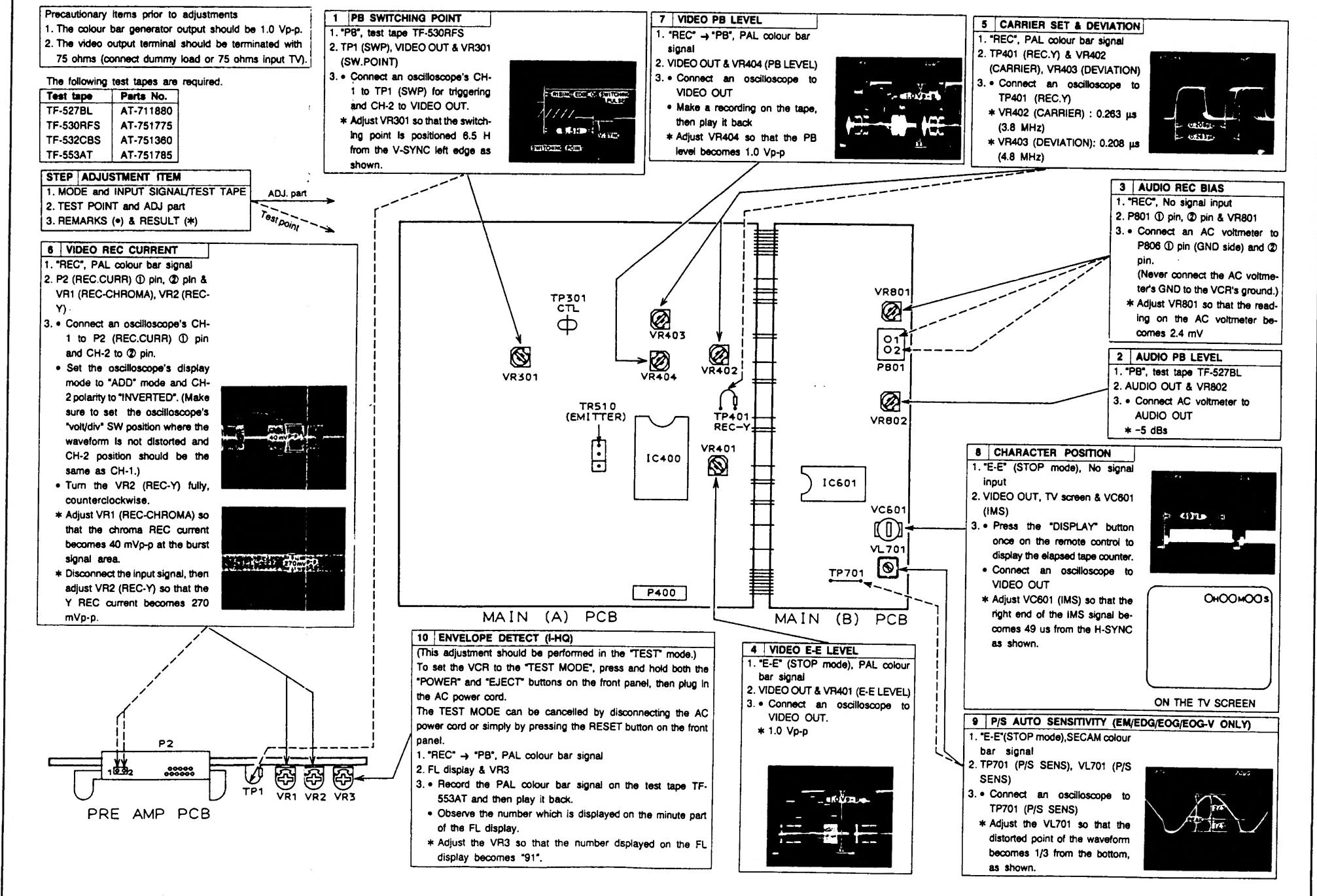
Head Motors and Miscellaneous

Part No.	Description
BV-V1123A410A	Lower Drum BLK X400EGN
BV-V1123A420A	Upper Drum BLK X400EGN
BM-401296J	Motor E20EL89 (Drum Motor)
HR-405340J	Head Combo HVMZA1121A
HE-390013J	Head VFME0020A
BM-400682J1	Motor DFX-67B3VWB1 (Capstan Motor)
BM-387503J	Motor Part (Loading Motor)

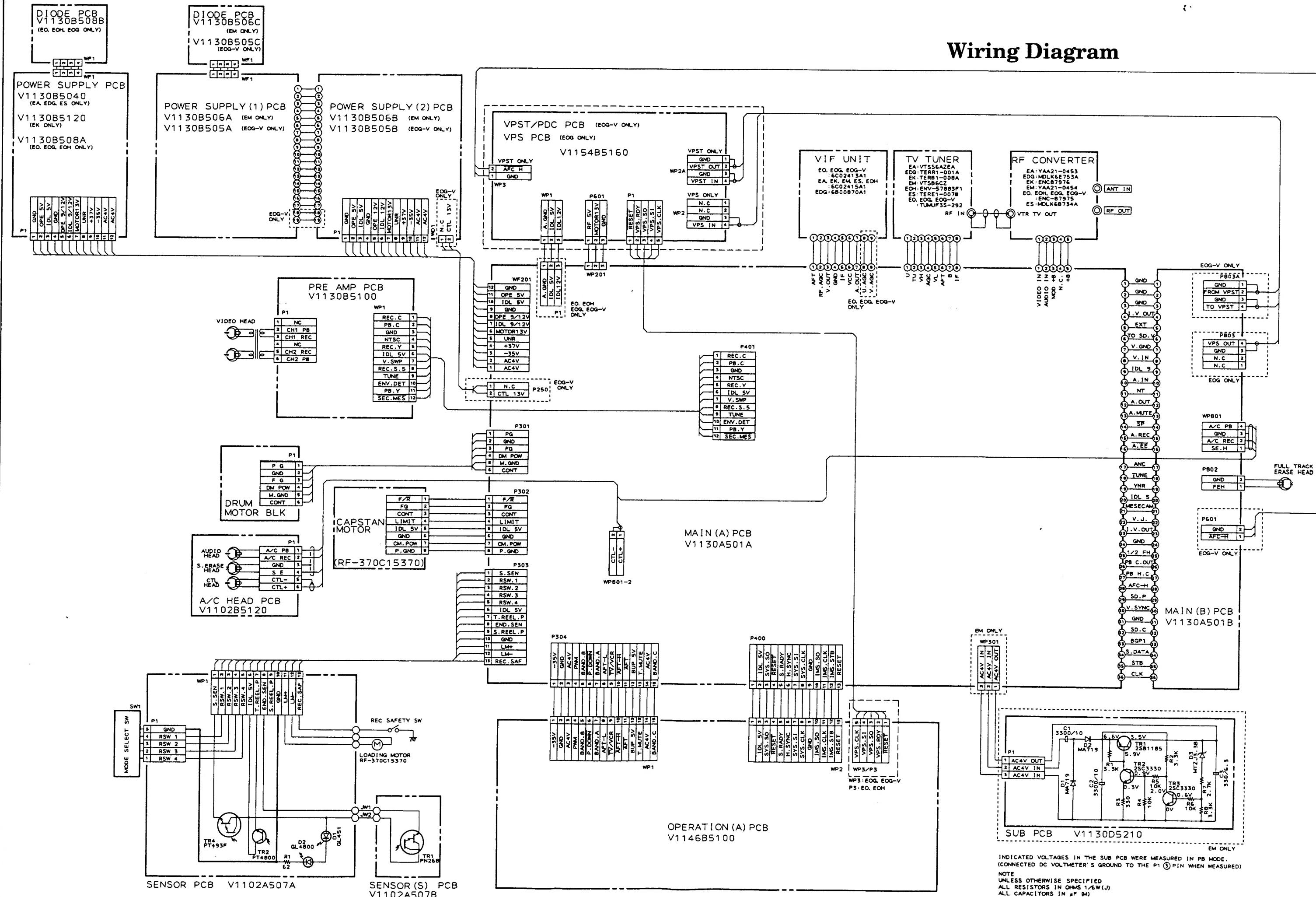
Recommended Safety Parts

Item	Part No.	Description
D71, 72		
D723, 74	ED-511907	D Silicon 1N4002 100/1.0A EM
FR201	ER-400959J	R Fuse V TO5 ERD2FCV 1/4W 1200G
FR202, 501	ER-404093J	R Fuse V TO5 RF25SCVTP1/14WR56K
FR350	ER-400729J	R Fuse V TO5 RF25SCVTP1/4WR47K
FR601	ER-331188	R Fuse H S10 ERD2FC 1/4W BR2J EOG
RL101	EQ-400153J	Relay POW AG2013 1TR 12V EM
TR1, 5, 9, 13	ET-366365	TR 2SB1185 E,F
TR12	ET-405622J	TR 2SD2061 E,F
BT-403873J		Trans Pow V1130 EO (Except EOG-V)
BT-403883J		Trans Pow V1130 EOG-V (EOG-V)
BT-403872J		Trans Pow V1130 EK
BT-403252J		Trans Pow V1130 EA

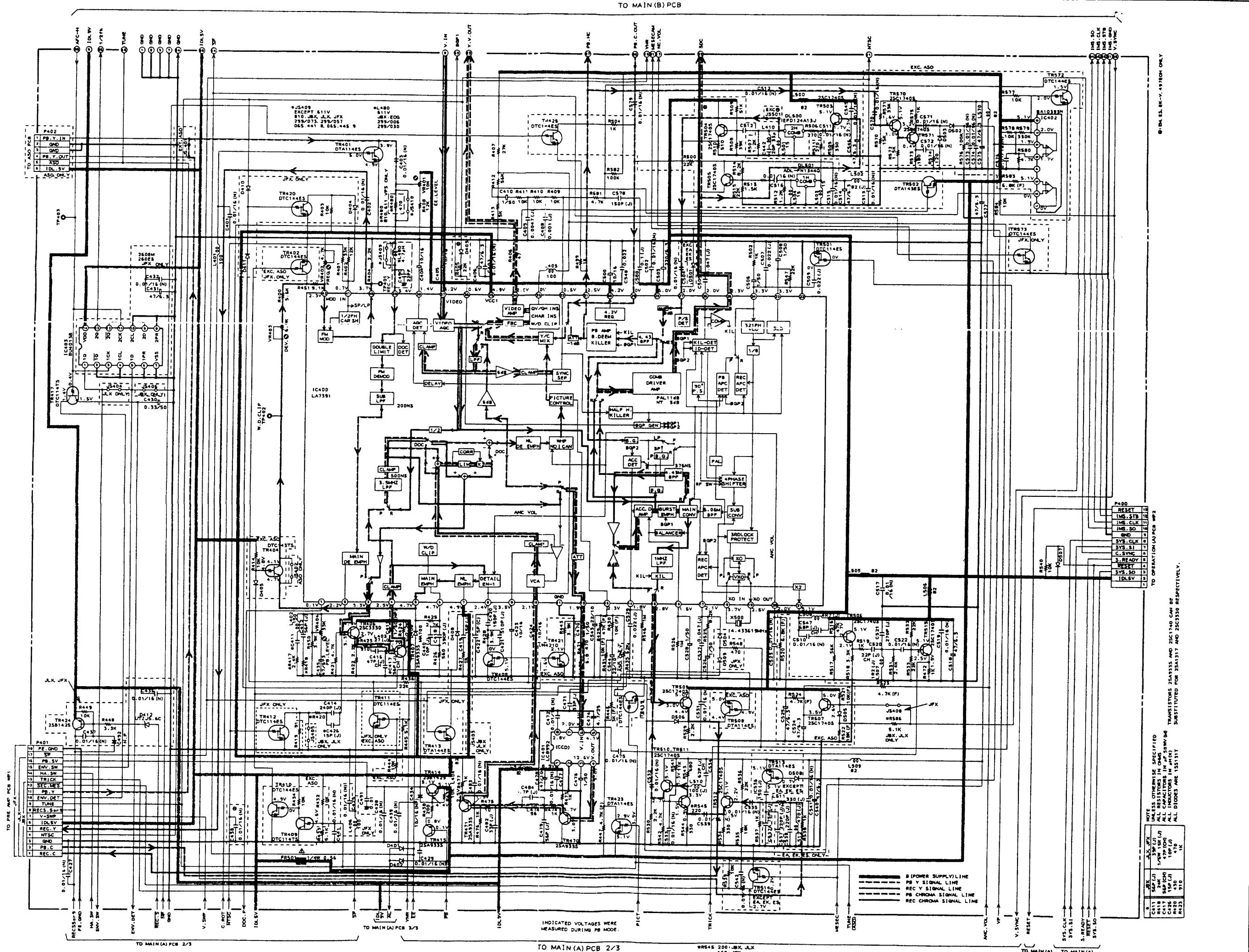
Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description
Belt Capstan	MB-387289J	Main Brake (S) Part	ML-387316J	PW26X060X050PSL	ZW-389923J	SP Pull Review Brake	ZG-387323J	ST PAN30X06STL	ZS-344754			
BID20X04STL CMT	ZS-464703	Main Brake (T) Part	ML-387318J	PW31X110X050PSL	ZW-389814J	SP Pull Slider	ZG-387468J	CMT C080				
BID26X08STL CMT	ZS-563444	Mecha Deck BLK F260EA	BB-V1130A020H	Retaining Ring Grip	ZW-332843	SP Pull Tension	ZG-387272J	SW Leaf				
BID30X03STL CMT	ZS-425981	Motor DFX-67B3VWB1	(Capstan Motor)	380STL ACP	ML-387321J	SP Pull Toggle	ZG-387414J	MTS1011MPC1				
BID30X08STL CMT	ZS-321298	Motor E20EL89	(Drum Motor)	Review Brake Part	MR-387286J1	SP Torsion Arm Damper	ZG-395567J	SW Mode Select				
Cassette Load BLK 425EA	BV-V1102A150A	Motor Part	(Gear Worm Part)	Slider Impedance	ML-387324J1	SP Torsion Coupling	ZG-387403J	MMS00070ZLBO (SW1)				
CMT BID30X08STL CMT	ZS-321298	NUT Review	ZW-401776J	Slider Brake Part	ML-387328J	SP Torsion Damper (T)	ZG-388290J1	Tension Arm BLK 425EA				
Cord FFC P1 25 L=12013P (WP1)	EW-389313J	PAN20X02STL BZN PS1	ZS-404844J	Slider Front Loading	ML-387428J	SP TorsionDamper(S)	ZG-387421J	Tension Band Part				
D LED GL451 Infrared (D1)	ED-390011J	PAN26X12STL CMT	ZS-467796	Slider Pinch Part	ML-387431J1	SP Torsion Load (2)	ZG-392831J	TR Photo PN268 (TR1)				
D LED GL4800 Infrared (D2)	ED-390012J	PAN30X06STL CMT	ZS-379350	Slider Trigger (2)	ML-404944L	SP Torsion Load (S)	ZG-387417J	TR Photo PT 4800 (TR2)				
Disk (2) Part	MT-390954J1	PC () SENSOR	EA-387496J	SLIT W17X032X025PSL	ZW-374445	SP Torsion Load (T)	ZG-387418J	TR Photo PT 493F (TR4)				
Disk Clutch Part	MZ-387298J3	Pinch Roller (2) Part	MP-404852J	Socket 174074-5 SP (P1)	ZW-387492J	SP Torsion Release	ZG-387420J1	Upper Drum BLK X400EGN				
Earth Brush Part AG	VT-401282J	Plate Upper (2)	MZ-406134J	Socket Housing	EJ-381837J	SP Torsion Review	ZG-387282J	BV-V1102A050A				
Gear Eject	MZ-387335J	PT BID26X06STL CMT	ZS-365149	5062-30-10-13 (PS1)	EJ-387497J	SP Trigger	ZG-387443J	ML-390768J4				
Gear Front Loading	MZ-387333J	PT BID26X10ST CMT	ZS-389950J	SP Loading Brake	ZG-387467J	ST BID30X06STL CMT	ZS-358936	ET-361490				
Gear Slam Slider	MZ-387331J	PT BID30X06STL CMT	ZS-358936	SP Plate Earth	ZG-392294J	ST BID30X12STL CMT	ZS-336714	ET-390010J				
Gear Toggle(S) BLK 425EA	MZ-V1102A090A	Pulley Trigger(2)	MR-391968J	SP Plate Holder	ZG-387348J1	ST BID30X12STL CMT	ZS-336714	ET-390009J				
Gear Toggle(T) BLK 425EA	MZ-V1102A100A			SP Pull Main Brake	ZG-387320J	ST PAN30X06STL	ZS-344754					
Gear Worm Wheel	MZ-387332J			CMT C080								
Guide Front (2)	SE-395554J											
Guide Roller D8 PART	T-387394J1											

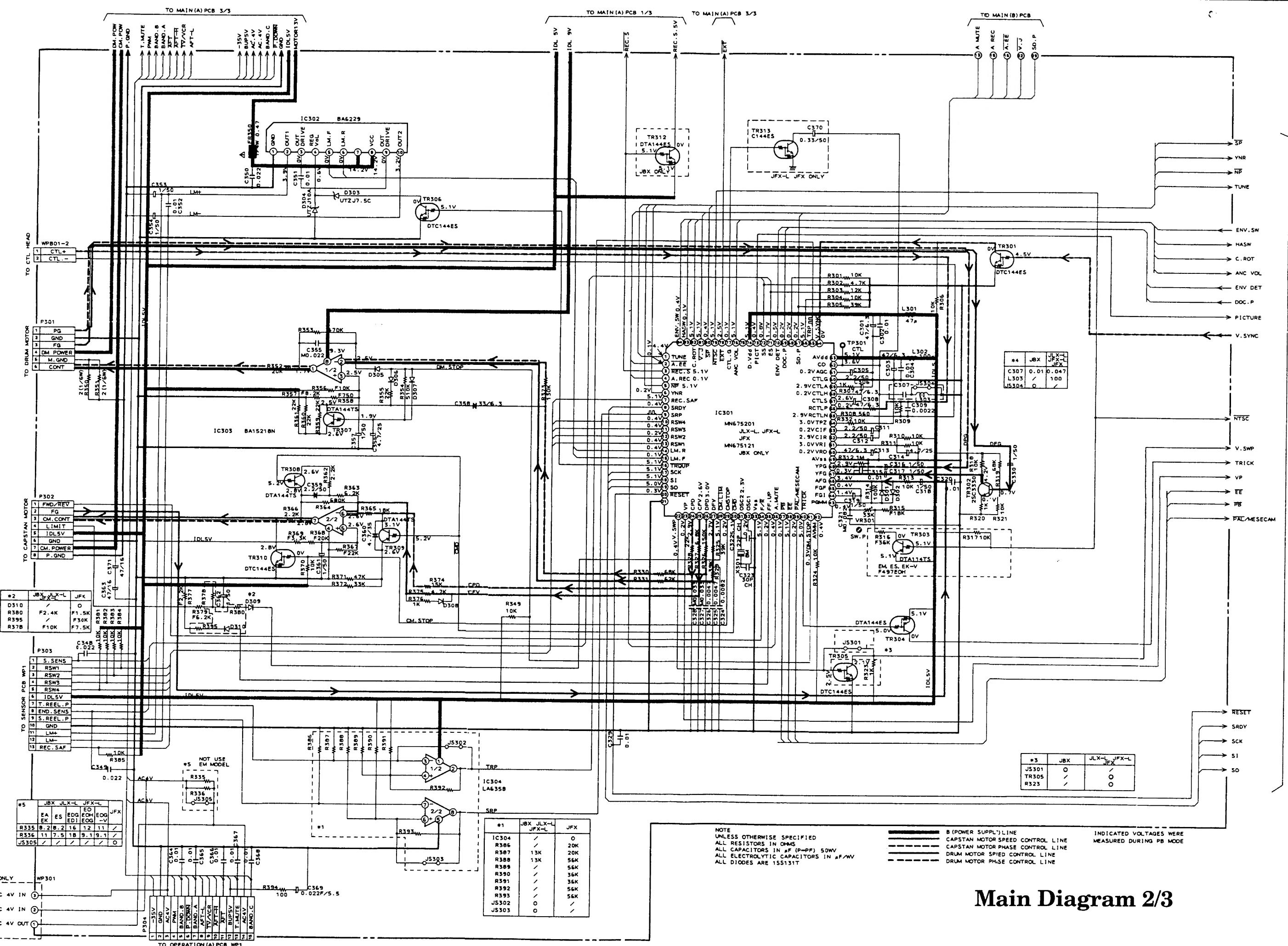
Service Adjustments

Wiring Diagram

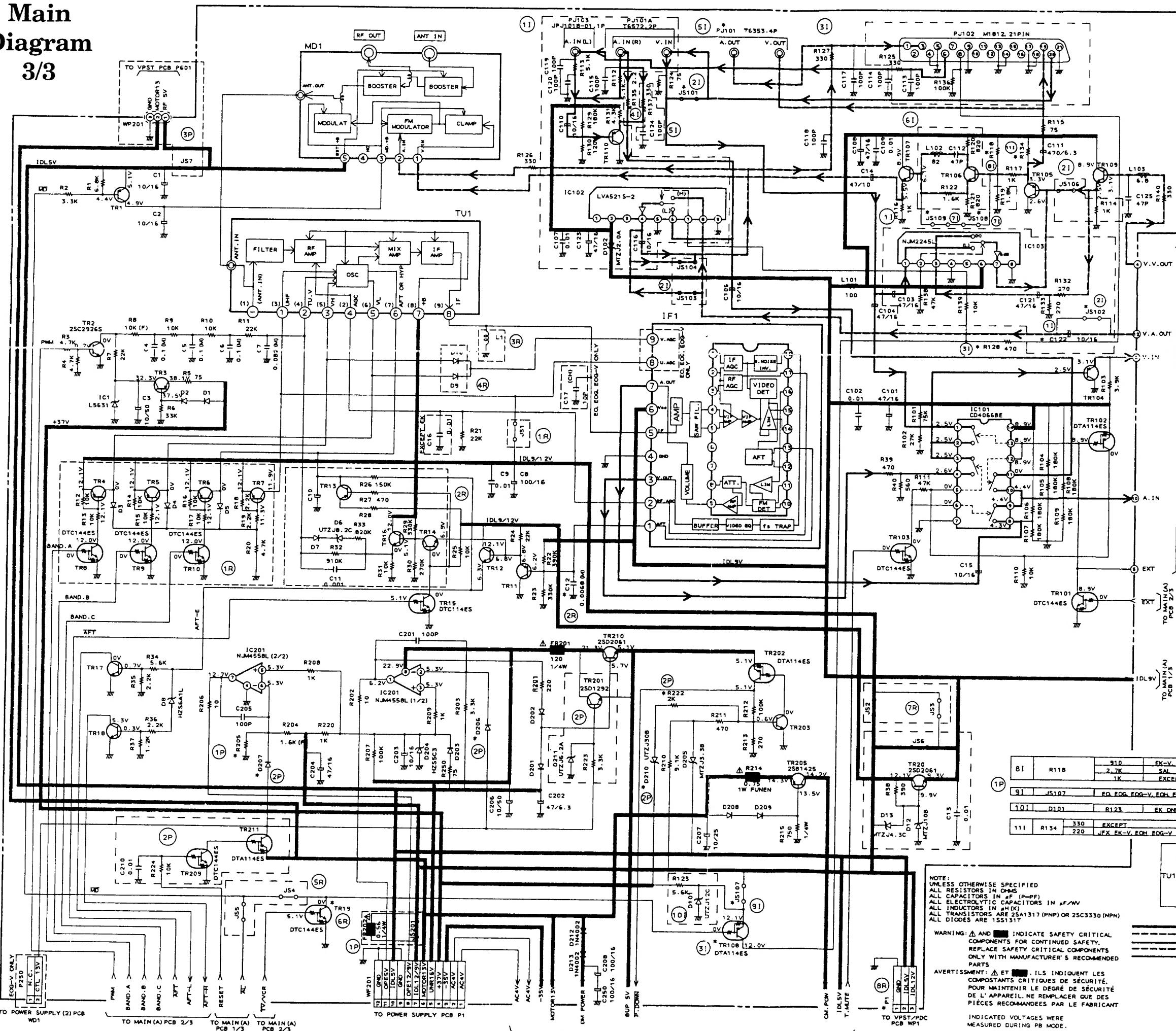


Main Diagram





Main Diagram 3/3



1R	TR5, TR5, TR7	25A1317	
	TR8, TR9	DTC144ES	EXCEPT
	R12 R13, R14, R15	10K	EK, EK-V
	R18, R19	2.2K	
	R20	4.7K	
	D3, D4	155131T	
	TR6	25A1317	
	TR10	DTC144ES	EOM ONLY
	R16, R17	10K	
	D5	155131T	
	JS1		EK, EK-V

2R	TR13	25A1317	EXCEPT EOM EOM ONLY
	R26	150K	
	R27	470	
	C10	1/50	EK, EK-V, EDG, EDG-V
		2.2/50	ED, EDG, EDI, JFK-ES
	R28	910	ED, EDG, EDG-V, EK-V
		560	EA, EM, ES, JK, EDG, EDI
	TR14, TR16	25C1330	
	R29	330K	
	R30	270K	
	R31	10K	
	R32	910K	
	R33	820K	
	C11	0.001	
	C12	0.0068(M)	
	D7	155131T	

3R	L1	1.0 0.82 0.68 NONE	EA JFX-EOM EK-EK-V_EM EO, EOG, EOG-V, EDG, EDI, ES JDX-EOM, JUX-EOM
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4R	D9.D10	15S131T	EQ EOG EOG-V
5R	J54 J55	EA FM EXCEPT EA FM	7R J52 EXCEPT EK-V J53 EK-V ONLY

BR	P1	PM 3P	EO EOM EOG EOG-V EK-V
1P	R205	1.3K (F)	EO EOM EOG EOG-V EK-V
		2.2K (F)	EA EM ES EK EOG EDI
	TR20	2SD2061	
	C15	0.01	
	R38	350	EO EOM EOG EOG-V EK-V
	D12	013	FR202
	J56	J5201	EA EM ES EK EOG EDI

	R222	2K	
	R223	3.3K	
	R224	10K	
	D206, D207	155131T	EDG, EDG-V
	D210	VTZJ30A	ONLY
	D211	VTZJ6.2A	
2P	TR201	2SD1292	
	TR209	DTC144ES	
	TR211	DTA114ES	
	C210	0.01	

3P	JS7	EXCEPT FOG, FOG-V
	WP201	FOG, FOG-V ONLY
	P250	FOG-V ONLY

	TR110	C121	JFX-
	IC102	C122	EK-V
	IC103	C123	EOH, EOG-V
	C103	R112	ONLY
	C105	R113	
	C107	R129	C115
	C110	R130	EOG-V
	C115	R131	: H BLK
	C116	R132	D102
	C119	R133	R139
11			P1010A

	C120	R138	P103
21	J5101 J5102 J5103	JS104 JS106 R114	EXCEPT JPX EK-V EOH EOG-Y
31	P1102 C113 C114 T0100	R125 R128 R135 R136	EK, EO, EOG EK-V, ECG-V EOH

41	R135	JBX, JLX- EK, EO, EOG, EOH, EK-V, EOG-V JFX- EO, EOG
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SI	PJ101 C124	R137	EA. EDG. EM ES. EDI
	C112 R119	R122 L107	

R120	TR106	SAL
R121		
71	J5108	J5109 EXCEPT SAL

VTSS6A7 EA	←	←
TERR1-001A	←	←
TERB1-008A	←	←
VTSB6C2	←	←
ENV-57083F1	←	TERE3-001B
TERE1-007B	←	←
TIAW/F35-292	TER21-004A	←

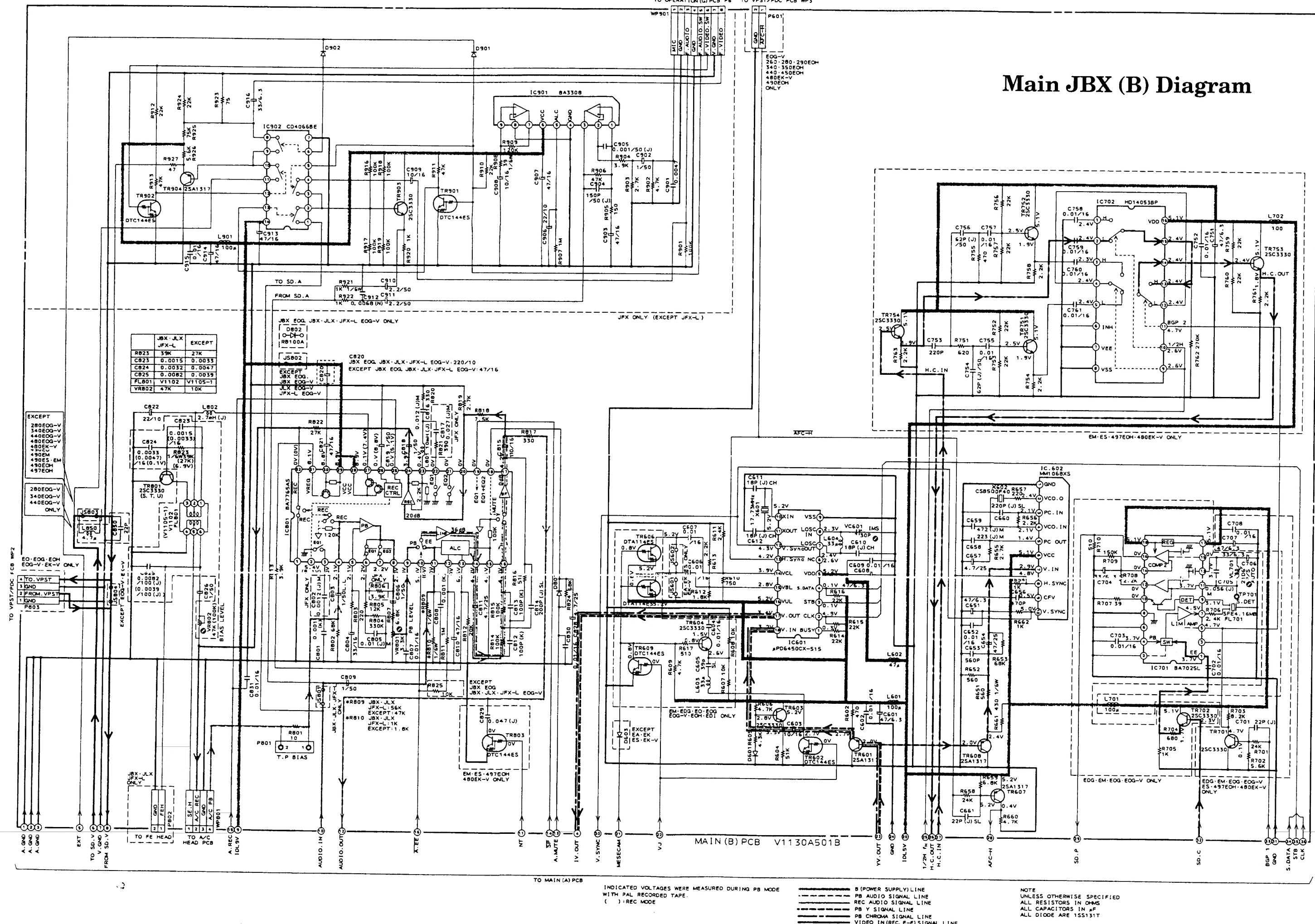
NOTE:
 UNLESS OTHERWISE SPECIFIED
 ALL RESISTORS IN OHMS
 ALL CAPACITORS IN μ F (P-PF)
 ALL INTEGRATED CIRCUITS IN μ W/V
 ALL INDUCTORS IN μ H (K)
 ALL TRANSISTORS ARE 2SA1317 (PNP) OR 2SC3350 (NPN)
 ALL DIODES ARE 1SS151T

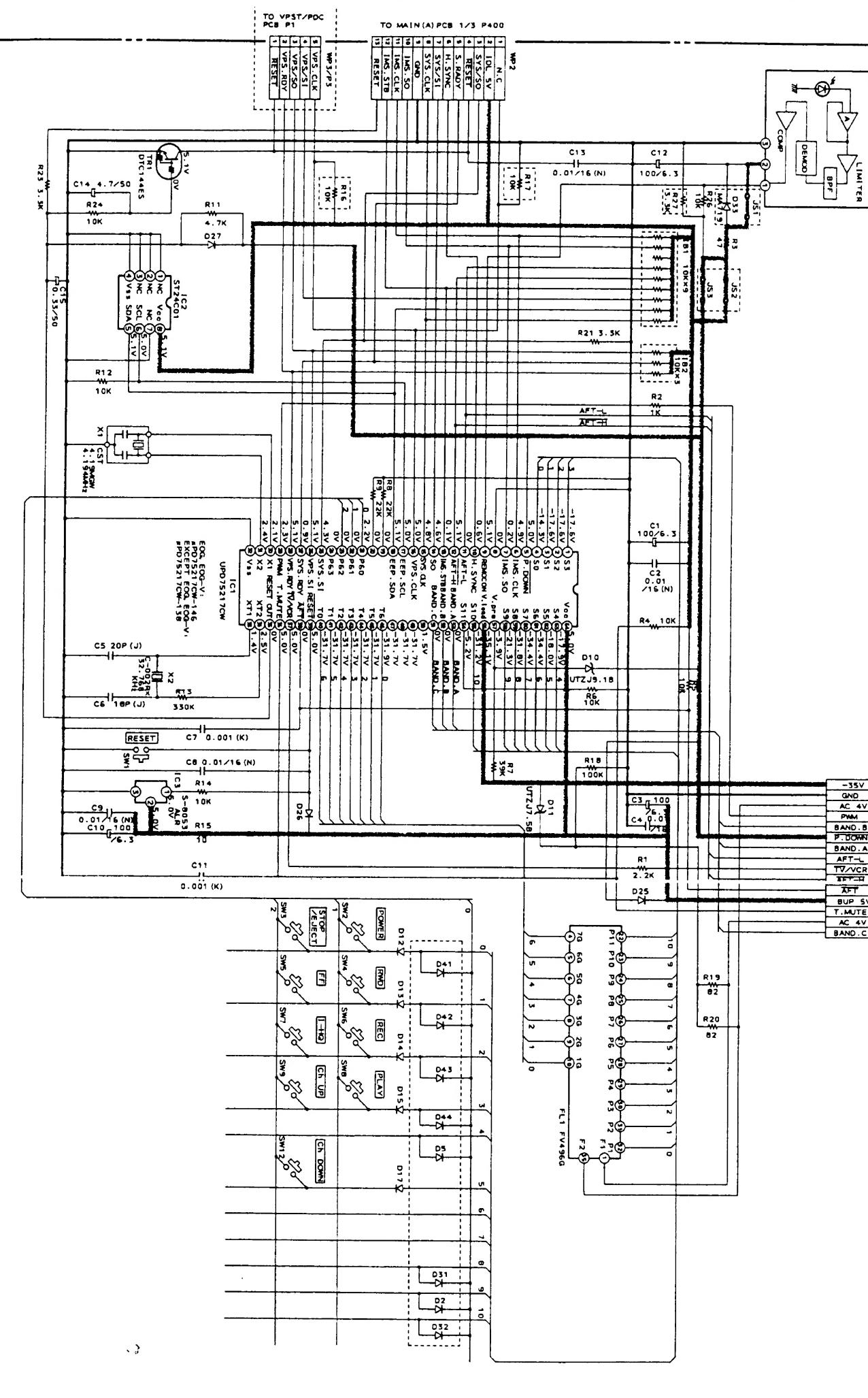
WARNING: A AND █ INDICATE SAFETY CRITICAL
COMPONENTS FOR CONTINUED SAFETY.
REPLACE SAFETY CRITICAL COMPONENTS
ONLY WITH MANUFACTURER'S RECOMMENDED
PARTS

AVERTISSEMENT: A ET B ILS INDIQUENT LES COMPOSANTS CRITIQUES DE SÉCURITÉ. POUR MAINTENIR LE DÉGRÉ DE SÉCURITÉ DE L'APPAREIL, NE REMPLACER QUE DES PIÈCES RECOMMANDÉES PAR LE FABRICANT.

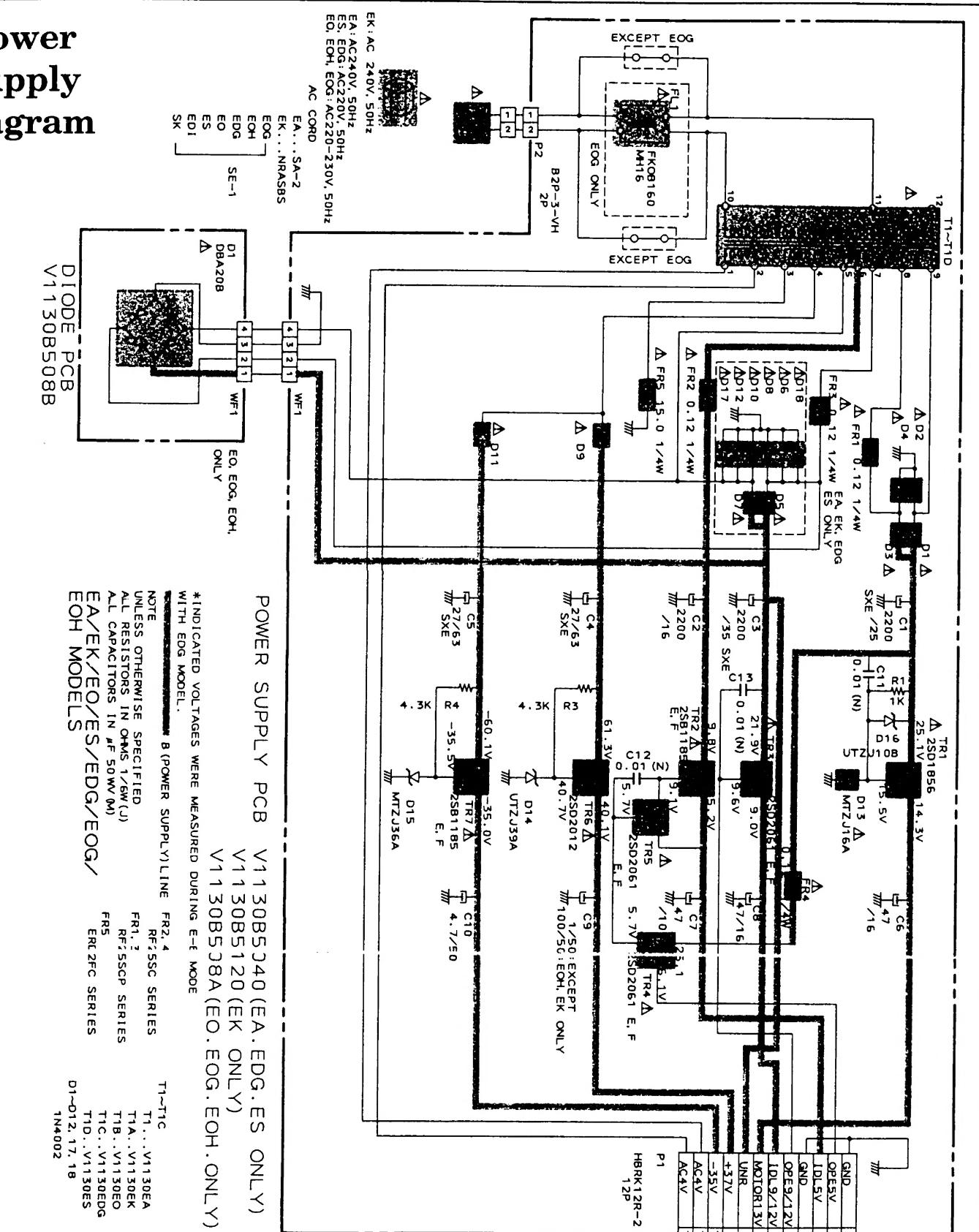
B (POWER SUPPLY) LINE	YAA21-04531	EA
AUDIO OUT (E-E, P.B) LINE	YAA21-04543	EN
AUDIO IN (E-E, REC LINE	ENCB7275	EO, EOG, EOG-V, EOM
VIDEO OUT (E-E, P.B) LINE	ENCB7276	EK, EK-V
VIDEO IN (E-E, REC LINE	MKL68013B	ES
	MKL65333A	EDG

JBX
MAIN (A) 3/3





Power Supply Diagram

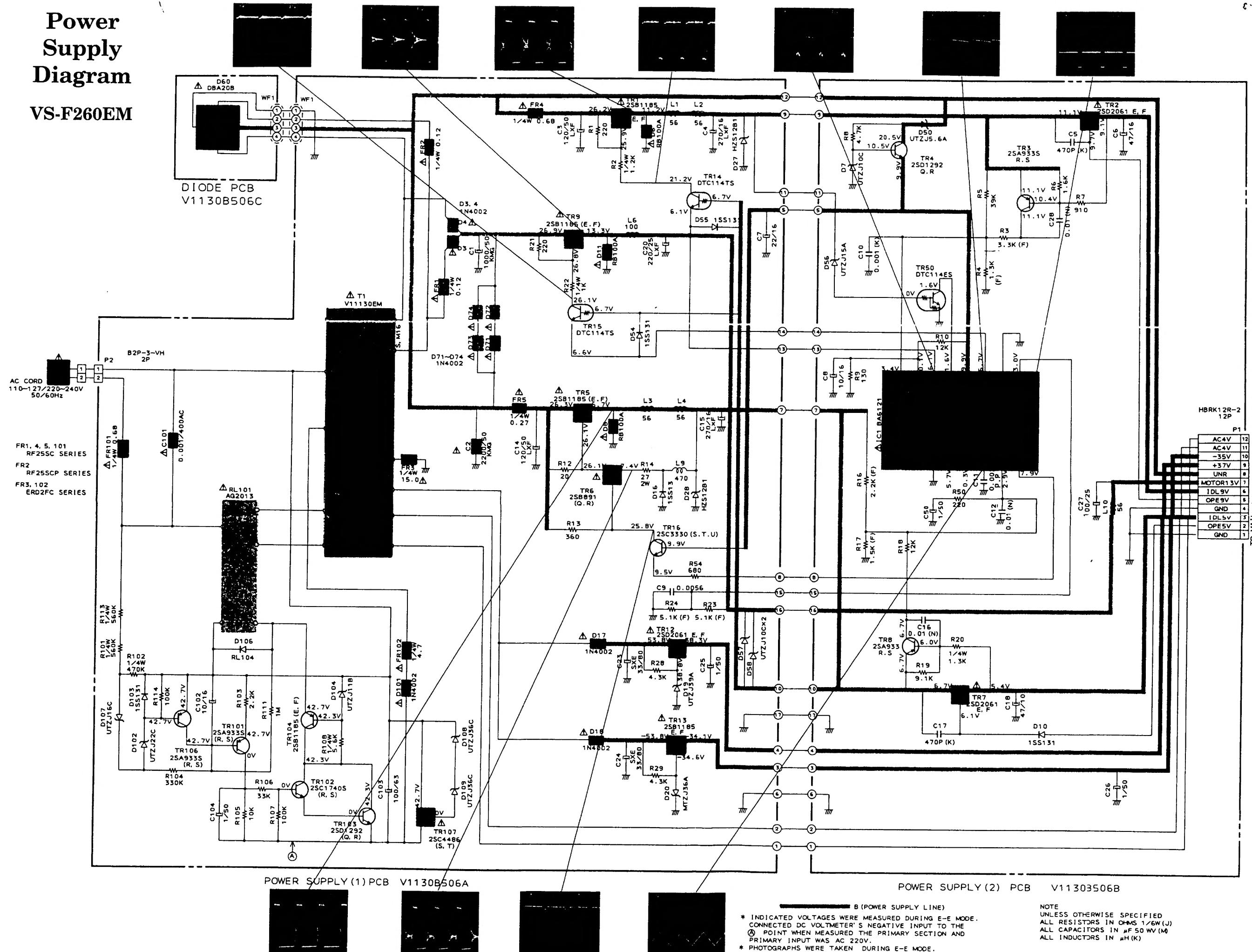


Operations JBX (A) Diagram

E	A	EDG	EK	EM	E	EO	EOG-V	EOH	EDI	E	S	SEG	SK	JFX-L (PAL)/JFX-L (SECAM)
D2										O				
D5										O				
D31										O				
D32										O				
D33										O				
D41										O				
D42										O				
D44										O				
J51										O				
J52										O				
J53										O				
J54										O				
J55										O				
J56										O				
J57										O				
J58										O				
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J137										O				
J138										O				

Power Supply Diagram

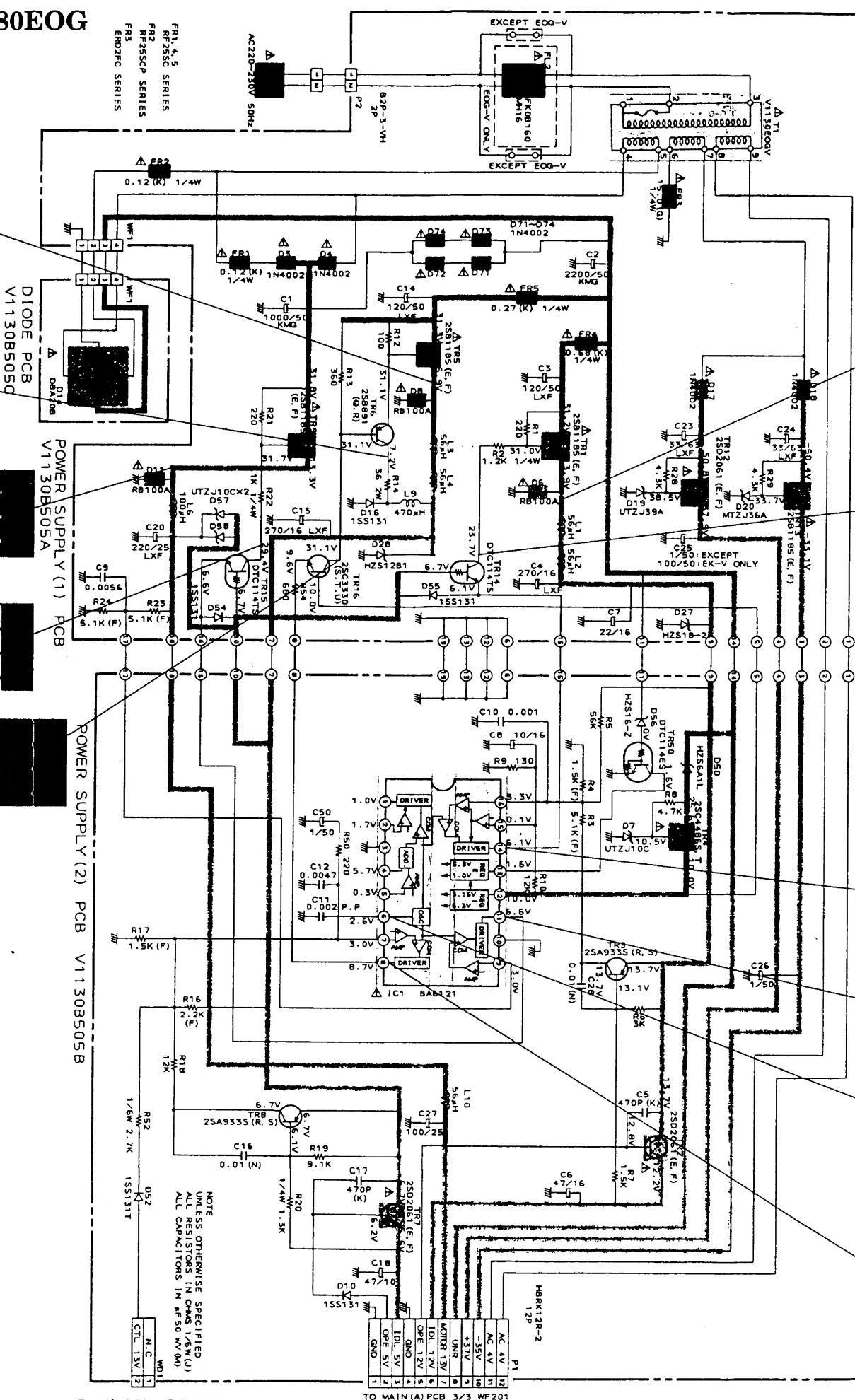
VS-F260EM



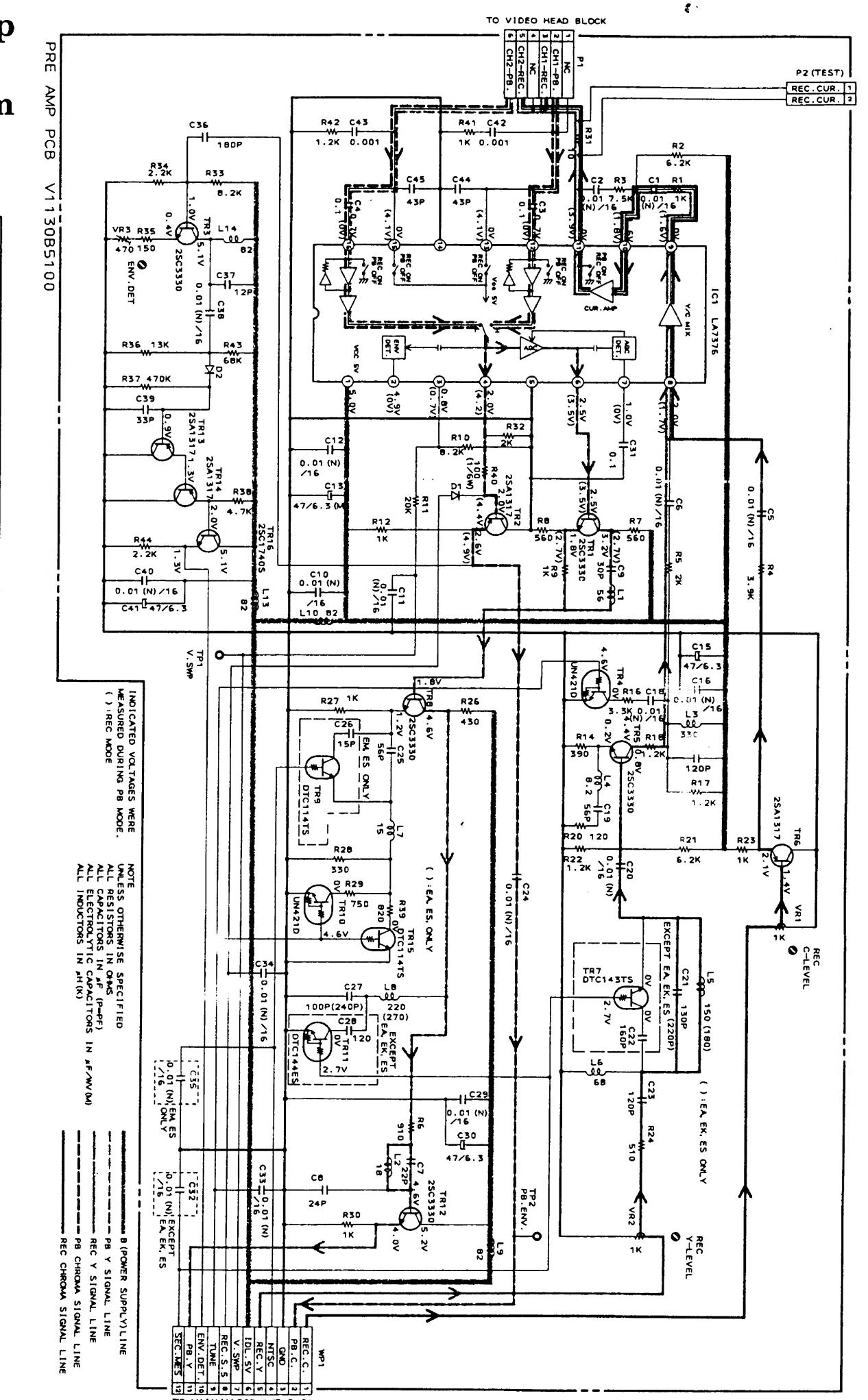
* INDICATED VOLTAGES WERE MEASURED DURING E-E MODE CONNECTED DC VOLTMETER'S NEGATIVE INPUT TO THE Ⓛ POINT WHEN MEASURED THE PRIMARY SECTION AND PRIMARY INPUT WAS AC 220V.
* PHOTOGRAPHS WERE TAKEN DURING E-E MODE. THE SCREEN'S FIRST LINE FROM THE BOTTOM IS DC 0

NOTE
UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS 1/6W(J)
ALL CAPACITORS IN μ F 50 WV (M)
ALL INDUCTORS IN μ H (K)

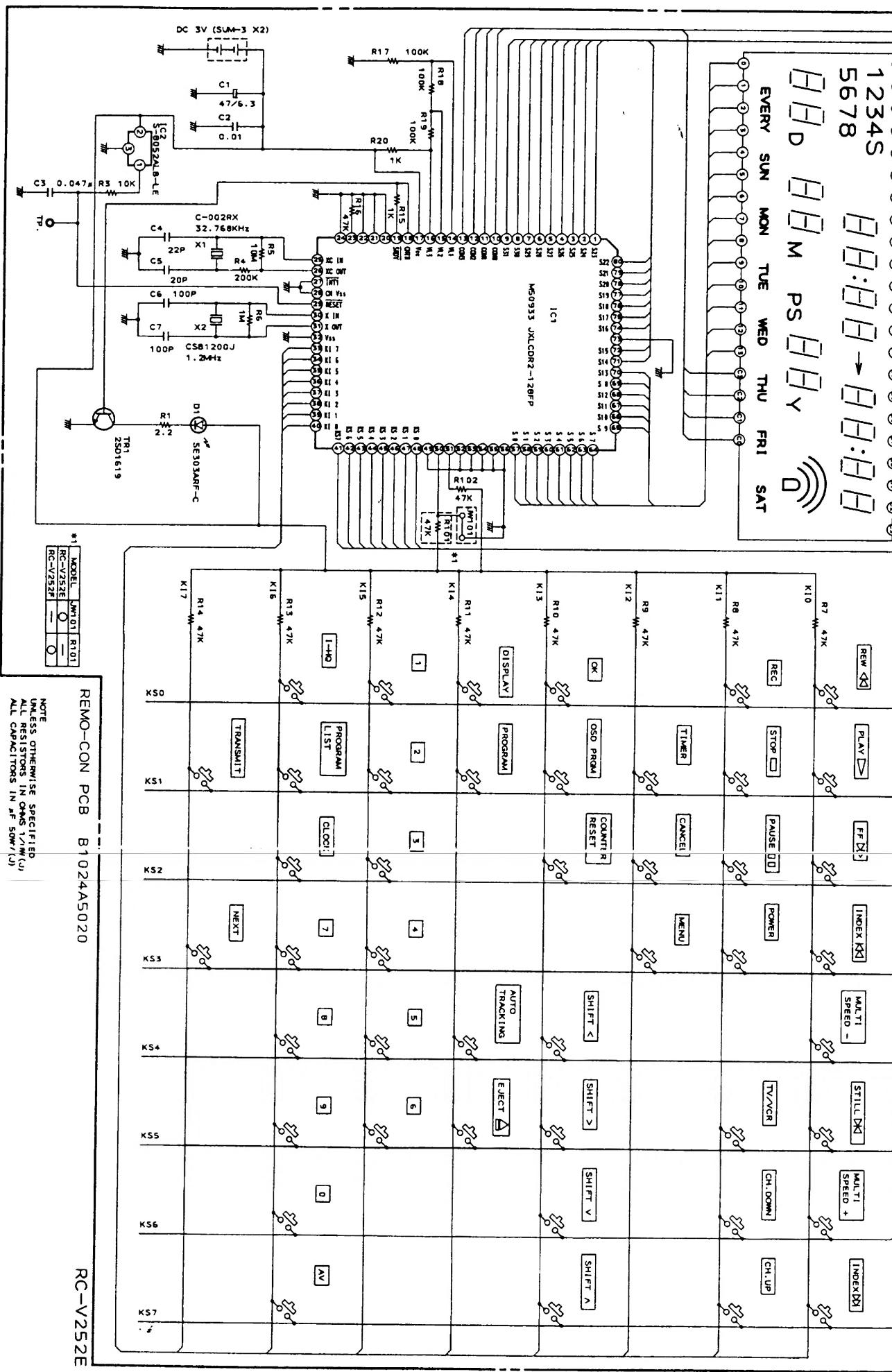
Power Supply Diagram VS-F280EOG



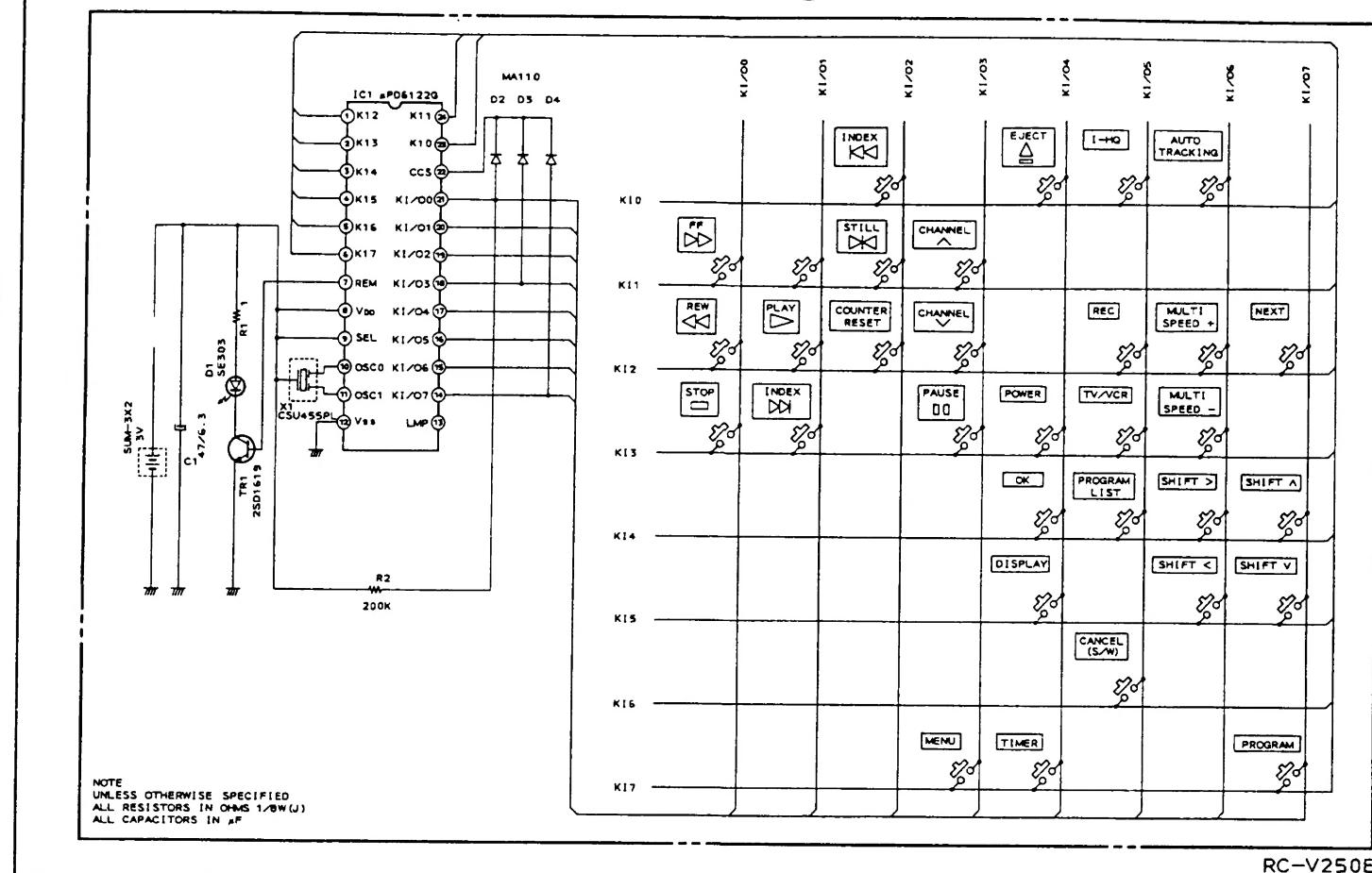
Pre Amp JBX Diagram



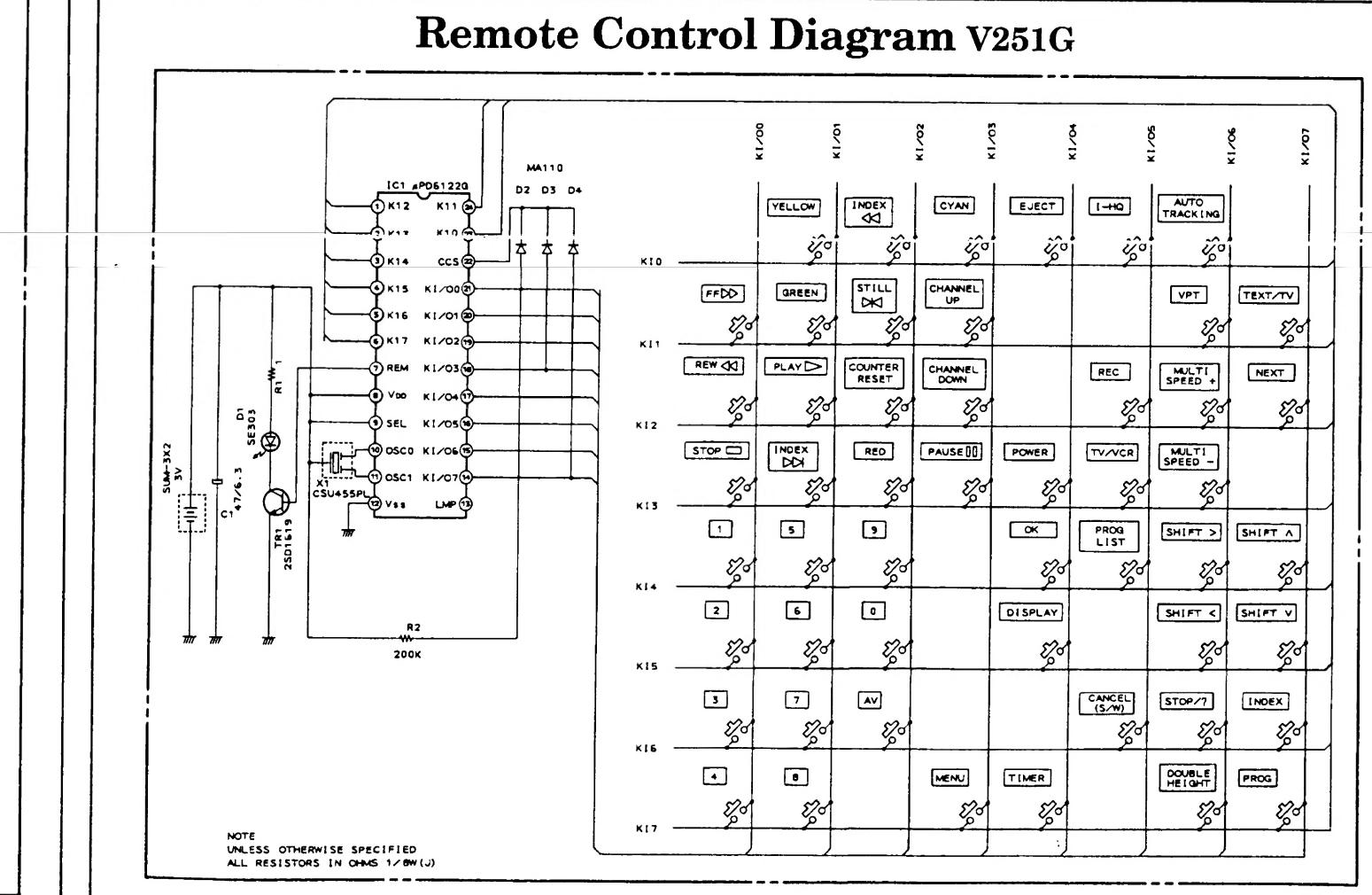
Remote Control Unit Diagram



Remote Control Diagram V250E

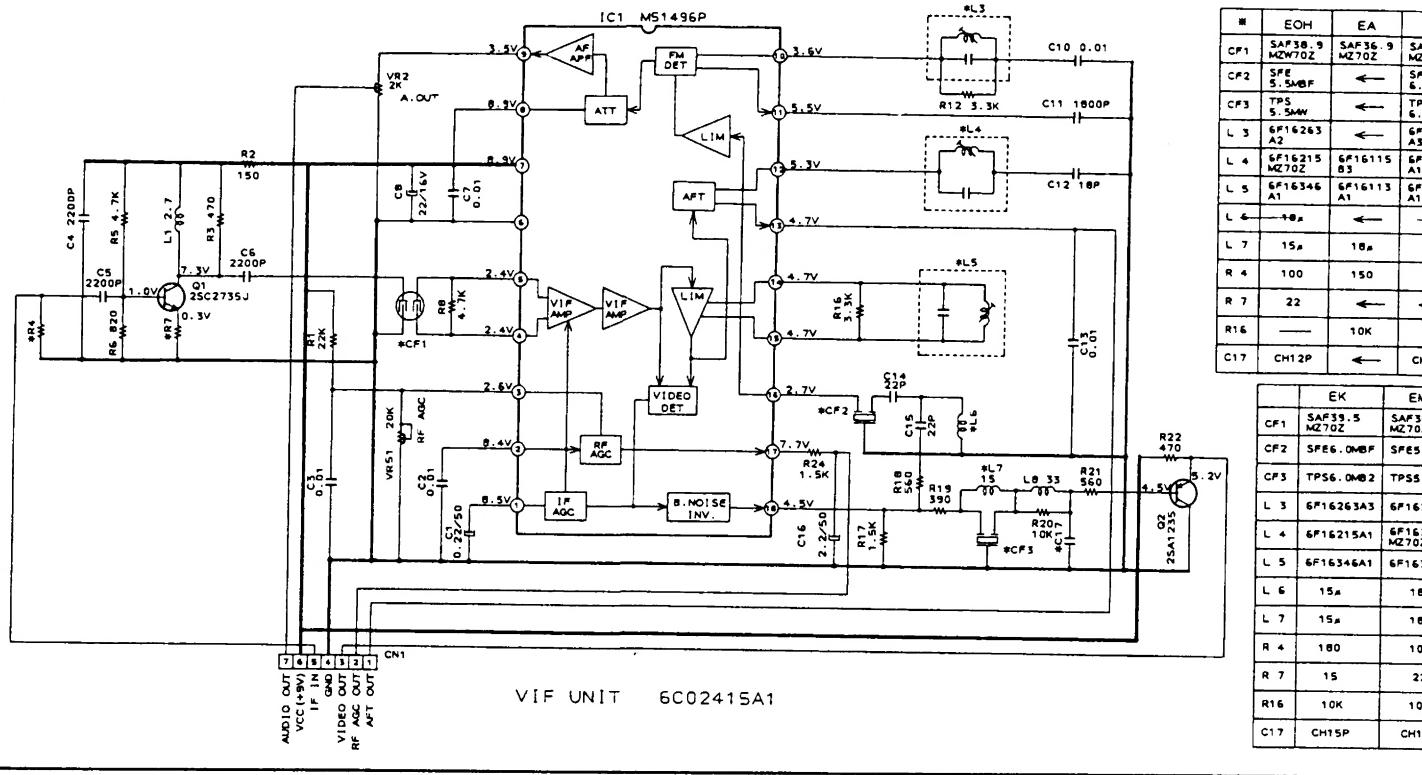


Remote Control Diagram V251G



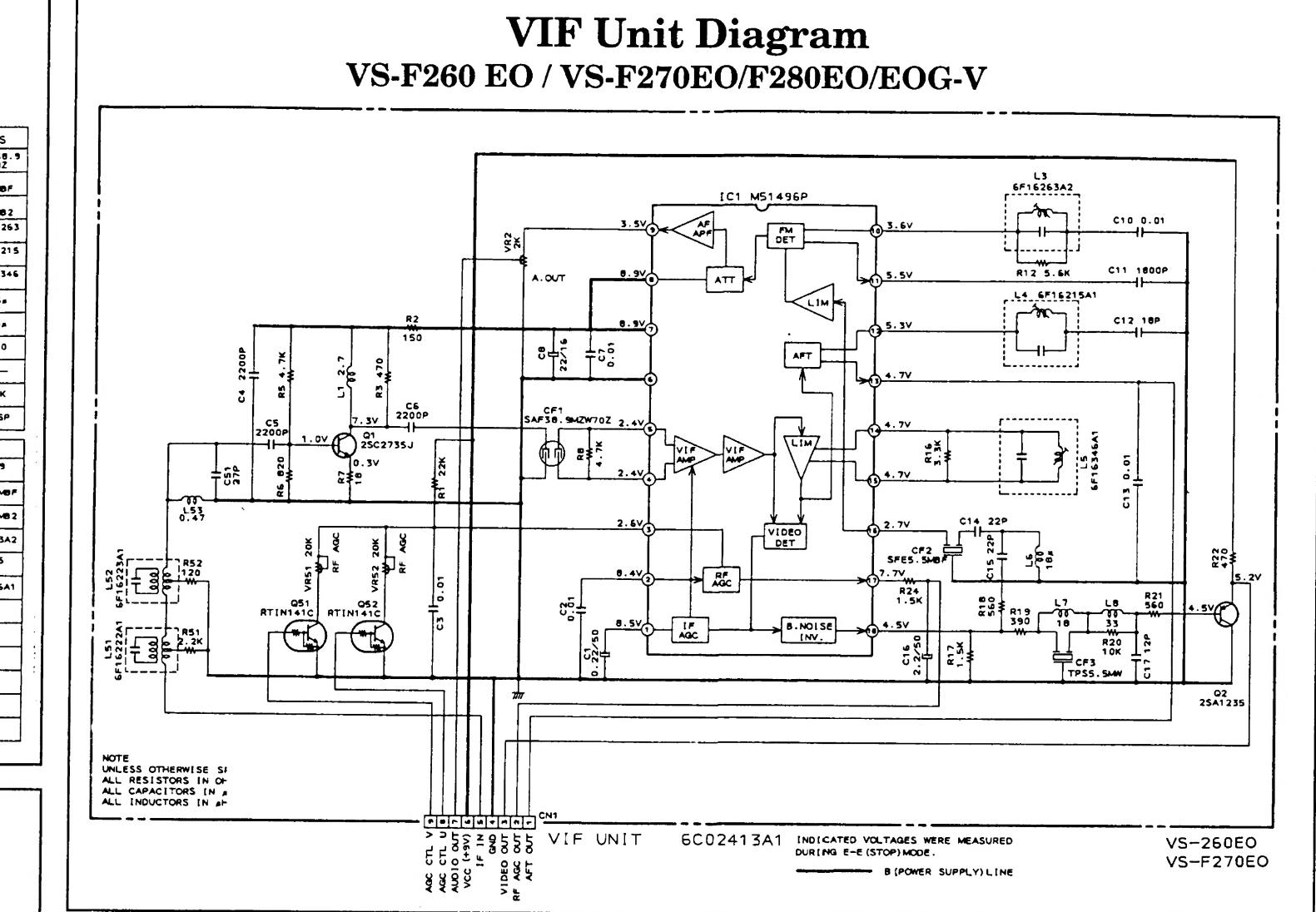
VIF Unit Diagram

EA/EK/EM/EOH/ES

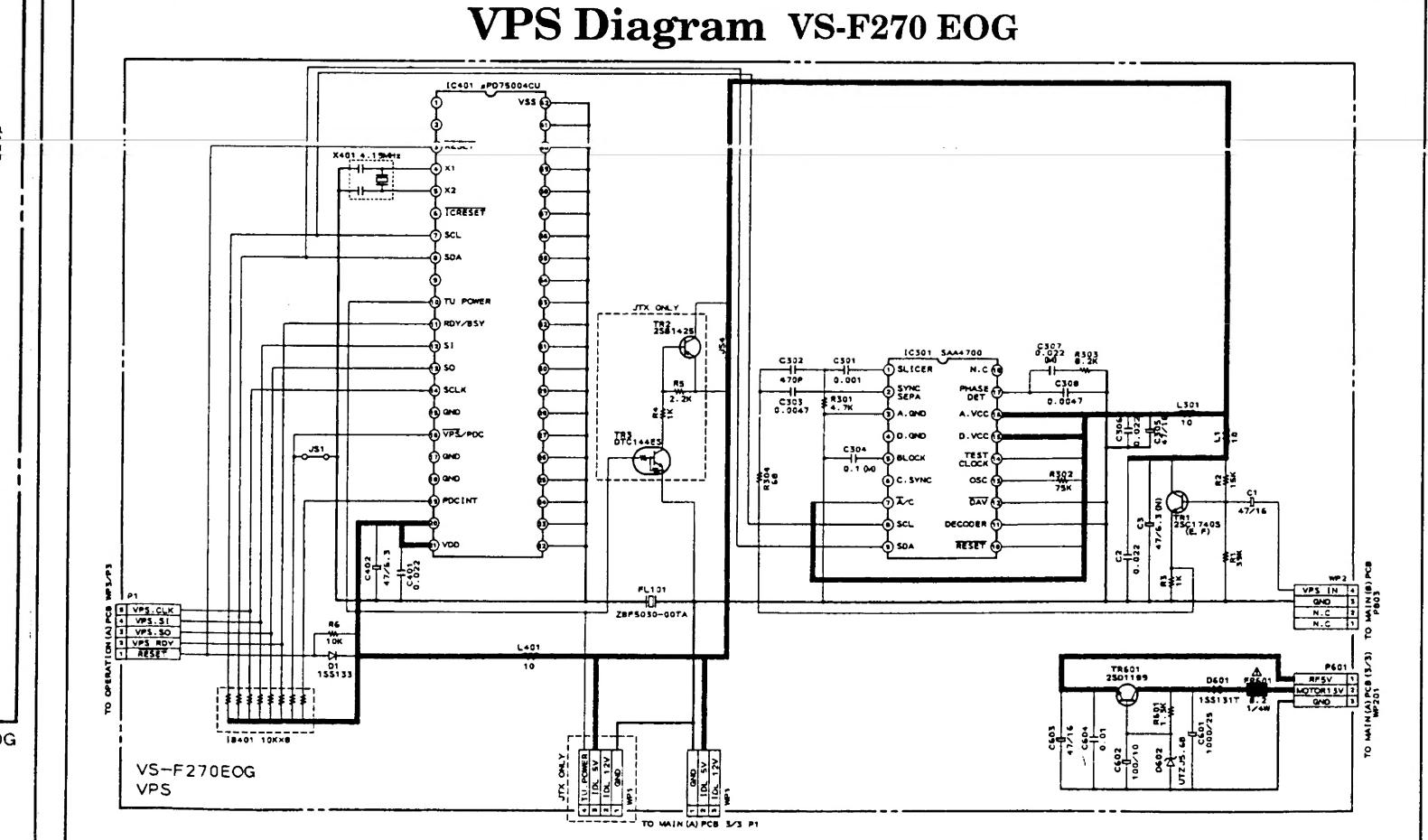


VIF Unit Diagram

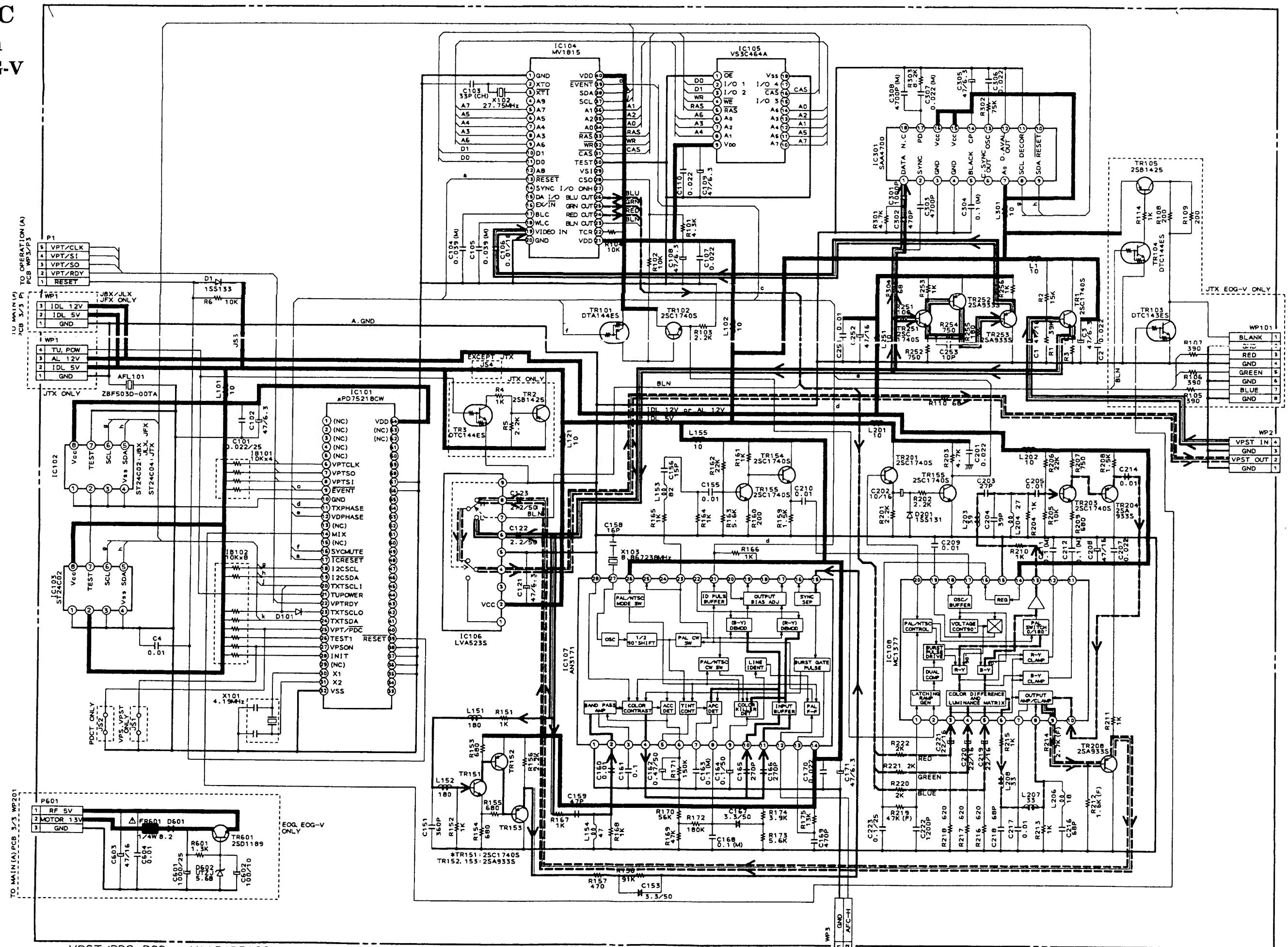
VS-F260EDG



VPS Diagram VS-F270 EOC



**VPST/PDC
Diagram
VS-F280 EOG-V**



B (POWER SUPPLY) LINE
Y IN (TUNER) SIGNAL
VPT SIGNAL
CHROMA IN (TUNER) SIGNAL
CHROMA VPT SIGNAL

NOTE UNLESS OTHERWISE SPECIFIED
ALL RESISTORS IN OHMS
ALL CAPACITORS IN μ F

TO MAIN (B) PCB P601